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## WHAT IS CLAIMED IS:

1	1.	Α	method	of	servicing	а	telephone	call	directed	to	an

- 2 Internet Protocol telephony device coupled to an Internet
- 3 Protocol network, the telephone call being placed from a
- 4 telephone device coupled to a public telephone network by
- 5 dialing a first telephone number associated with the
- 6 Internet Protocol telephony device, the method comprising
- 7 the steps of:

activating a trigger set at a telephone switch included in said public telephone network, the trigger being responsive to calls received by said telephone switch directed to said first telephone number;

pausing call processing at said telephone switch in response to activation of said trigger;

accessing a database maintained in said Internet Protocol network to obtain there from information associated with the first telephone number; and

controlling completion of said call by said telephone switch as a function of the information obtained from said database.

2. The method of claim 1,

wherein the obtained information includes call forwarding information; and

wherein the step of controlling completion of said call includes operating said telephone switch to route said call using a telephone number included in the obtained information.

- 1 3. The method of claim 1, wherein the obtained
- 2 information includes call forwarding information.
- 1 4. The method of claim 3,
- wherein the obtained information includes an
- 3 Internet Protocol address; and
- 4 wherein the step of controlling completion of
- 5 said call includes operating said first telephone call to
- 6 route said call using the IP address included in the
- 7 obtained information.
- 1 5. The method of claim 4,
- wherein the obtained information includes call
- 3 screening information; and
- 4 wherein the step of controlling completion of
- 5 said call includes terminating said call without
- 6 completing it to said telephone number when said call
- 7 screening information indicates that the call will not be
- 8 completed successfully by the Internet Protocol network
- 9 to the Internet telephony device corresponding to the
- 10 called number.
- 1 6. The method of claim 5, wherein the call screening
- 2 information includes bandwidth information.
- 1 7. The method of claim 5, wherein the call screening
- 2 information includes language information.

- 1 8. The method of claim 5, wherein the call screening
- 2 information includes calling party telephone number
- 3 information.
- 1 9. The method of claim 1, wherein said trigger is an
- 2 advanced intelligent network trigger, the method further
- 3 comprising the step of:
- 4 pausing call processing at said switch following
- 5 activation of said trigger; and
- sending a message to a service control point located
- in said public switched telephone network, the service
- 8 control point performing said accessing step.
- 1 10. The method of claim 9, wherein the step of accessing
- 2 said database includes:
- 3 using Session Initiation Protocol (SIP) to contact a
- device in said Internet Protocol network which is
- 5 responsible for retrieving information from said
- 6 database.
- 1 11. The method of claim 10,
- wherein said telephone switch is a gateway
- 3 switch which interconnects said public telephone network
- with the Internet Protocol network, the method further
- 5 comprising, for calls completed to said Internet Protocol
- 6 telephony device:
- operating the gateway switch to generate
- 8 Internet Protocol packets corresponding to said
- 9 telephone call; and

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database.

10	transmitting said generated Internet
11	Protocol packets to the Internet Protocol network
12	for delivery to said Internet Protocol telephony
13	device.
1	12. The method of claim 9, wherein the step of accessing
2	said database includes:
3	using Enum to contact a device in said Internet
4	Protocol network which is responsible for retrieving
5	information from said database.
1	13. The method of claim 12, wherein said device in said
2	Internet Protocol network which is contacted is a domain
3	name server.
, 1	14. The method of claim 1, wherein the step of accessing
2	said database includes:
3	using Session Initiation Protocol (SIP) to contact a
4	device in said Internet Protocol network which is
5	responsible for retrieving information from said
6	database.
1	15. The method of claim 1, wherein the step of accessing
2	said database includes:
3	using Session Initiation Protocol ENUM to contact a
4	device in said Internet Protocol network which is
5	responsible for retrieving information from said

1	16.	A	comn	nunications	syst	em	for	processing	telephone
2	calls	3,	the	communicat:	ions	sys	tem	comprising:	:

an Internet Protocol network for routing calls
transmitted using Internet Protocol packets to Internet
Protocol telephony devices, the Internet Protocol network
including a database of Internet Protocol telephone
device telephone numbers and associated information;

a telephone switch including a trigger set to detect telephone calls directed to an Internet Protocol telephony device coupled to the Internet Protocol network;

a service control point coupled to said telephone switch, the service control point including:

- i) means for accessing said database of Internet Protocol telephone device telephone numbers and associated information in response to a message received from the telephone switch relating to a telephone call activating said trigger; and
- ii) control logic for generating call completion instructions as a function of information obtained from said database.
- 1 17. The communication system of claim 16, wherein the
- 2 means for accessing said database includes a Session
- 3 Initiation Protocol interface.
- 1 18. The communications system of claim 17, wherein said
- 2 database includes call screening information.

- 1 19. The communication system of claim 17, wherein said
- 2 database includes call forwarding information.
- 1 20. The communications system of claim 17, wherein the
- 2 means for accessing said database includes an ENUM
- 3 interface.
- 1 21. The communications system of claim 20, wherein said
- 2 database includes Internet Protocol addresses
- 3 corresponding to the telephone numbers included in the
- 4 database.
- 1 22. The communications system of claim 16, wherein said
- trigger is an advanced intelligent network trigger.